

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing Of Claims:

- 1.-11. (Canceled)
12. (Currently Amended) A smoke detector, comprising:
an image sensor; and
a light source, wherein:
the image sensor records a presence of smoke at a close distance, ~~and~~
the light source can be activated when ambient light is insufficient for the
image sensor, and
the smoke detector recognizes an intensity of the ambient light based on a
signal from the image sensor.
13. (Canceled).
14. (Currently Amended) ~~The smoke detector as recited in Claim 12, further comprising:~~
A smoke detector, comprising:
an ambient light sensor for measuring an intensity of the ambient light;
an image sensor; and
a light source, wherein:
the image sensor records a presence of smoke at a close distance,
the light source can be activated when ambient light is insufficient for the
image sensor.
15. (Currently Amended) The smoke detector as recited in Claim 12, wherein:
the image sensor is configured for monitoring an area located at a distance of ~~5-20~~ 5
cm to less than 15 cm from the image sensor.
16. (Previously Presented) The smoke detector as recited in Claim 12, wherein:
the image sensor is disposed in a labyrinth.

17. (Previously Presented) The smoke detector as recited in Claim 12, wherein:
the light source includes a light-emitting diode.
18. (Previously Presented) The smoke detector as recited in Claim 12, further comprising:
an arrangement for mounting flush on one of a wall and a ceiling.
19. (Previously Presented) The smoke detector as recited in Claim 12, wherein:
the image sensor includes a miniature camera.
20. (Previously Presented) The smoke detector as recited in Claim 12, wherein:
a field of vision of the image sensor one of points downward and points at an angle toward a side from a detector cover.
21. (Currently Amended) The smoke detector as recited in Claim [[12]] 15, further comprising:
a cover; and
an optical system for focusing on a focal point about 10 cm ~~on~~ from the cover.
22. (Previously Presented) The smoke detector as recited in Claim 12, wherein:
the image sensor generates a reference image for subsequent comparisons at specified times.